

CURRICULUM VITAE

ANIL KUMAR LALWANI, MD, FACS

Mendik Foundation Professor and Chairman

Department of Otolaryngology

Professor of Physiology and Neuroscience

New York University School of Medicine

550 First Avenue, NBV 5 East 5

New York, NY 10016

Administrative Office: 212-263-6344

Clinical Office: 212-263-7167

Administrative Fax: 212-263-8257

Clinical Fax: 212-263-8490

Email: anil.lalwani@nyumc.org

EDUCATION

- | | | |
|-----|--|-----------------------------------|
| --- | Michigan State University
East Lansing, MI | B.S. Biochemistry
(High Honor) |
| --- | University of Michigan Medical School
Ann Arbor, MI | M.D.
(with Distinction) |

POSTGRADUATE TRAINING

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|-----|--|
| --- | Internship and Junior Resident, General and Thoracic Surgery
Duke University Medical Center, Durham, NC |
| --- | Resident, Department of Otolaryngology-Head & Neck Surgery
University of California School of Medicine, San Francisco, CA |
| --- | Clinical Instructor and Fellow in Neurotology/Skull Base Surgery
Department of Otolaryngology-Head & Neck Surgery
University of California School of Medicine, San Francisco, CA |
| --- | Senior Staff Fellow, Laboratory of Molecular Biology
National Institute on Deafness and Other Communication Disorders
National Institutes of Health, Bethesda, MD |

POSTGRADUATE COURSES

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| --- | Physician Leadership Development Program
New York University School of Medicine, New York, NY |
| --- | Program for Chiefs of Clinical Services (---)
Harvard School of Public Health, Boston, MA |

EMPLOYMENT HISTORY

- 1991 - 1992 Clinical Instructor, Department of Otolaryngology-Head & Neck Surgery
University of California School of Medicine, San Francisco, CA
- 1992 - 1994 Senior Staff Fellow, National Institute on Deafness and Other
Communication Disorders, National Institutes of Health, Bethesda, MD
- 1994 - 1998 Assistant Professor, Department of Otolaryngology-Head & Neck Surgery
University of California School of Medicine, San Francisco, CA
Director, Laboratory of Molecular Otology
Director, Pediatric Otology and Neurotology & Pediatric
Cochlear Implant Program
- 1997 - 2003 Member, Program in Human Genetics
University of California School of Medicine, San Francisco, CA
- 1998 -2002 Associate Professor, Department of Otolaryngology-Head & Neck Surgery
University of California School of Medicine, San Francisco, CA
Director, Laboratory of Molecular Otology
Director, Pediatric Otology and Neurotology
- 2000 -2003 Director, Cochlear Implant Program
- 2002 -2003 Member, Biomedical Sciences Graduate Program
- 2002 -2003 Professor, Department of Otolaryngology-Head & Neck Surgery
University of California School of Medicine, San Francisco, CA
- 2003- Mendik Foundation Professor and Chairman, Department of Otolaryngology
New York University School of Medicine, New York, NY
- 2003- Professor of Physiology and Neuroscience
New York University School of Medicine, New York, NY

LICENSURE

- California # ---
- New York # ---

BOARD CERTIFICATION

- National Boards of Medical Examiners
- American Board of Otolaryngology (---)

HONORS AND AWARDS

- National Honor Society
- Michigan State University
 - Phi Beta Kappa
 - Phi Kappa Phi
 - Golden Key National Honor Society
 - Pi Mu Upsilon (Math)
 - Honors College
 - American Chemical Society's Outstanding Senior Biochemistry Award
 - Dean's List (all terms)
- University of Michigan School of Medicine
 - One of **top five** graduates of Class of ---
 - Alpha Omega Alpha (Junior)
 - Eben J. Carey Memorial Award in Anatomy
- 1987 Selected by Medical Students as "One of Duke's Outstanding Teachers," Duke University Medical Center
- 1988 Selected by Medical Students as "One of the Outstanding Teachers Among UCSF House Officers," University of California, San Francisco
- Third Place: **Lalwani AK**, Engelstad BL, Boles R: Indium-Labeled WBC Scans in Head and Neck Surgery. Presented at Fifth Annual Bay Area Residents' Research Symposium, Oakland, California
- Second Place, Resident Case of the Year Competition, American Rhinologic Society: **Lalwani AK**, Kaplan MJ: Paranasal Sinus Leiomyosarcoma Following Cyclophosphamide and Irradiation. Presented at American Rhinologic Society's 35th Annual Meeting, New Orleans, Louisiana
- Second Place: **Lalwani AK**, Carey TE: Lectin Binding Characteristics in Squamous Cell Carcinoma. Presented at Sixth Annual Bay Area Residents' Research Symposium, Oakland, California
- 1990 Honorable Mention, Resident Case of the Year Competition, American Rhinologic Society: **Lalwani AK**, Tami TA: Nasal Manifestation of Lepromatous Leprosy. Presented at American Rhinologic Society's 36th Annual Meeting, San Diego, California
- 1996 Honor Award, American Academy of Otolaryngology-Head & Neck Surgery
- First Place, Clinical Science Category, Resident Research Award, American Academy of Otolaryngology-Head & Neck Surgery: Bikhazi PH, Kim E,

- Bikhazi N, Attaie A, **Lalwani AK**: Genetic Screening of the NF2 Gene in Families With Unilateral Vestibular Schwannoma.
- 1998 Nicholoas Torok Vestibular Award, American Neurotology Society **Lalwani AK**, Walsh BJ, Carvalho GJ, Muzyczka N, Mhatre AN. Expression of Adeno Associated Virus (AAV) Integrated Transgene Within the Mammalian Vestibular Organs.
- First Place, Basic Science Category, Bay Area Resident Research Symposium: Bikhazi PH, Kim E, Bikhazi N, Attaie A, **Lalwani AK**: Genetic Screening of the NF2 Gene in Families With Unilateral Vestibular Schwannoma.
- First Place, Basic Science Category, Bay Area Resident Research Symposium: Bikhazi PH, Roeder E, Attaie A, **Lalwani AK**: Familial Parangliomas: The Emerging Impact of Molecular Genetics on Evaluation and Management
- 2000 The National Registry of *Who's Who*
- 2000 Castle Connolly Guide: *How to Find the Best Doctors: San Francisco Bay Area & America's Top Doctors*
- 2000 Roger Boles Award for Excellence in Teaching, Department of Otolaryngology—Head & Neck Surgery, University of California San Francisco
- 2000 Boies Lecturer, Department of Otolaryngology-Head & Neck Surgery, University of Minnesota School of Medicine
- 2000 Strathmore's *WHO'S WHO*
- 2002 Francis A. Sooy Award for Excellence in Clinical Teaching, Department of Otolaryngology—Head & Neck Surgery, University of California San Francisco
- 2002 Ben Senturia Lecturer, Department of Otolaryngology, Washington University School of Medicine
- 2003 First Place Award, First Annual UCSF Resident Research Symposium: Chatelin V, Kim EJ, Driscoll C, Larky J, Polite C. Price L, **Lalwani AK**: Cochlear Implant Outcomes in the Elderly
- 2004 Distinguished Services Award, American Academy of Otolaryngology—Head & Neck Surgery
- 2004 Innovator, Best Doctor Issue, *New York Magazine*

- 2004 Marquis Who's Who in America (59th Edition)
- 2005 International Health Profession of the Year 2005, International Biographical Centre, Cambridge, England
- 2005 AcademicKeys Who's Who in Medical Sciences Education (WWMSE)
- 2005 Marquis Who's Who in America (60th Edition)

MEMBERSHIPS

- 1987- American Academy of Otolaryngology-Head & Neck Surgery
- 1993- American Society of Human Genetics
- 1993- Association for Research in Otolaryngology
- 1997- American College of Surgeons
- 1997- American Society of Gene Therapy
- 1999- American Otological Society
- 1999- American Neurotological Society
- 2002- The American Laryngological, Rhinological and Otological Society
- 2002- American Auditory Society
- 2003- Collegium Oto-Rhino-Laryngologicum Amicitiae Sacrum
- 2003- Society of University Otolaryngologists

EDITORIAL BOARD

- 1995 - Otology & Neurotology (formerly American Journal of Otology)
- 1999 -2004 International Editorial Board, Otolaryngology—Head and Neck Surgery
Reappointed 2002
- 2000 - Acta Otolaryngologica (Stockh)
- 2001 - Head & Neck, Journal for the Sciences and Specialties of the Head and Neck
Reappointed 2004
- 2001 - Ear and Hearing (Section Editor: Otology and Medical Sciences)
- 2002 - Laryngoscope
- 2004-2009 Annals of Otology, Rhinology and Laryngology

AD HOC REVIEWER

Acta Oncologica
 American Journal of Human Genetics
 Archives of Otolaryngology—Head & Neck Surgery
 Cancer
 Clinical Genetics
 Ear and Hearing
 European Journal of Human Genetics
 Gene Therapy

Genetics in Medicine
 Human Genetics
 Human Molecular Genetics
 Human Mutation
 International Journal of Cancer
 Journal of Comparative Neurology
 Lancet
 Laryngoscope
 Molecular Neurobiology
 New England Journal of Medicine
 Otolaryngology—Head & Neck Surgery
 Pediatric Pulmonology

UNIVERSITY SERVICE

University Service: New York University School of Medicine

2004	Member, Ad hoc Committee, Faculty Disciplinary Action
2004	Member, Ad hoc Committee, Faculty Promotion
2004	Member, Dean's Recruitment Advisory Committee
2004	Member, Pediatric Chair Search Committee
2004	Advisory Committee, NYU General Clinical Research Center (GCRC)
2004	Member, Dermatology Chair Search Committee
2004	Member, Deanship for the Postgraduate Medical School Search Committee
2004	Member, Steering Committee on Budget
2005	Dean's Council on Institutional Diversity (Chair, Leadership Diversity Advisory Group)

Departmental Service: New York University School of Medicine

2003-	Member, Resident Selection Committee
2003-	Member, Curriculum Committee
2003	Member, Head & Neck Recruitment Committee
2003-	Member, Laryngology Recruitment Committee
2003-	Member, Vestibular Recruitment Committee
2003-	Member, Pediatric Otolaryngology Recruitment Committee

Departmental Service: University of California San Francisco School of Medicine

1994-96	Member, Budget Committee
1994-	Member, Resident Selection Committee
1994-96	Member, Space Committee
1996-	Director, Medical Student Research Electives
1998-99	Member, Executive Committee
1999-	Member, Finance Committee
1999	General Otolaryngology Faculty Search Committee
2000	Pediatric Otolaryngology Faculty Search Committee

University Service: University of California San Francisco School of Medicine

1997-2000	MD with Thesis Committee
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- 1999-2000 Chair Search Committee, Dept. of Otolaryngology-Head & Neck Surgery
- 2000 Practice Management CPO
- 2001- Advisory Committee to the Pediatric Clinical Research Center
- 2001 Neuromonitoring Chief Search Committee, Department of Neurosurgery

Specialty Service

- 1995- Committee on Research in Otolaryngology, American Academy of Otolaryngology—Head & Neck Surgery
- 1998-2000 Research Committee, Deafness Research Foundation
- 1996- Chairman, Research Committee, Hearing Research, Inc.
- 1998-2001 Physician Research Training Committee, Association for Research In Otolaryngology
- 1999- Hearing Subcommittee, American Academy of Otolaryngology—Head & Neck Surgery, Inc.
- 1999-2004 Research Committee, American Neurotological Society (Chair 2001-2004)
- 2001-2004 Continuing Medical Education Committee, American Neurotological Society
- 2002-2005 Program Advisory Committee, American Otological Society
- 2002-2005 Task Force on New Material, American Board of Otolaryngology
- 2002 Scientific Program Committee, American Neurotological Society
- 2003-2006 Media Relations Committee, Association for Research In Otolaryngology
- 2003-2010 Research Advisory Board, American Otological Society
- 2003- Council of Scientific Trustees, Deafness Research Foundation
- 2003- Board of Medical Advisors, The National Organization of Hearing Research Foundation

Government Service

- 1997 Special Emphasis Panel, Small Grants Program (R03), National Institute on Deafness & Other Communication Disorders, National Institutes of Health
- 1999 Ad Hoc Member, Integrative, Functional, and Cognitive Neuroscience (IFCN6) Study Section, National Institutes of Health
- 1999 Ad Hoc Member, Communication Disorders Review Committee (Program Project), National Institute on Deafness & Other Communication Disorders, National Institutes of Health
- 2001 Ad Hoc Member, Communication Disorders Review Committee, National Institute on Deafness & Other Communication Disorders, National Institutes of Health
- 2003 Member, Communications Disorders Review Committee (CDRC), Department of Health & Human Services, National Institutes of Health
- 2004 Consultant, Ear, Nose and Throat Devices Panel of the Medical Devices Advisory Committee, Food and Drug Administration
- 2004 Member, Constituent Expert Working Group on Effective Interventions for Infants and Young Children with Hearing Loss, Office on Disability, U.S. Department of Health and Human Services

TEACHING EXPERIENCE*Postdoctoral Scholars Supervised:*

Proprietary information deleted.

Medical Students Supervised:

Proprietary information deleted.

Undergraduates Supervised:

Proprietary information deleted.

High School Students Supervised:

Proprietary information deleted.

POSTGRADUATE & COMMUNITY TEACHING

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| 1988 | Grand Rounds, Department of Otolaryngology - Head & Neck Surgery
University of California, San Francisco
PRESENTATION: Neurofibromatosis Update. |
| 1988 | Grand Rounds, Department of Otolaryngology - Head & Neck Surgery
University of California, San Francisco
PRESENTATION: Idiopathic Hemotympanum and Cholesterol
Granuloma in Children |
| 1989 | Maxillo-Facial Trauma Grand Rounds
San Francisco General Hospital.
PRESENTATION: Zygomatic Complex Fractures |
| 1989 | Surgical Grand Rounds, Department of Surgery
University of California, San Francisco
PRESENTATION: Mediastinitis |
| 1990 | Grand Rounds, Department of Otolaryngology - Head & Neck Surgery
University of California, San Francisco
PRESENTATION: Laryngeal Trauma |
| 1990 | Grand Rounds, Department of Otolaryngology - Head & Neck Surgery
University of California, San Francisco
PRESENTATION: Embolization for Recurrent Epistaxis |
| 1991 | Grand Rounds, Department of Neurological Surgery
University of California, San Francisco
PRESENTATION: Encephalocele and CSF Otorrhea |
| 1991 | The San Francisco Otology Update: 1991
Dept of Otolaryngology-Head & Neck Surgery, UCSF |

San Francisco, California

PRESENTATION: Facial Nerve Imaging

- 1991 The San Francisco Otology Update: 1991
Dept of Otolaryngology-Head & Neck Surgery, UCSF
San Francisco, California
PRESENTATION: Meningiomas, Epidermoids, and Other Tumors of the IAC and CPA
- 1992 Grand Rounds, Department of Neurological Surgery
University of California, San Francisco
PRESENTATION: Non-Acoustic Tumors of the Cerebellopontine Angle
- 1993 The San Francisco Otology Update: 1993
Dept of Otolaryngology-Head & Neck Surgery, UCSF
San Francisco, California
PRESENTATION: Otologic and Neurotologic Manifestations of AIDS
- 1994 Grand Rounds, Department of Otolaryngology—Head and Neck Surgery
University of Mississippi Medical Center, Jackson, MS
PRESENTATION: FN Outcome Following Acoustic Neuroma Surgery
- 1994 Intramural Research Seminar
National Institute on Deafness and Other Communication Disorders
PRESENTATION: Genetics of Deafness
- 1994 Grand Rounds, Department of Otolaryngology—Head and Neck Surgery
University of Pennsylvania Medical Center, Philadelphia, PA
Johns Hopkins University Medical School, Baltimore, MD
University of Michigan Medical School, Ann Arbor, MI
Henry Ford Hospital, Detroit, MI
University of California San Francisco, San Francisco, CA
PRESENTATION: Adventures in Molecular Otology: In Search of Genes That Cause Deafness
- 1994 Grand Rounds, Department of Neurological Surgery
University of California, San Francisco
PRESENTATION: Neurotologic Examination
- 1994 Medical Genetics Research Conference, Department of Pediatrics
University of California, San Francisco
PRESENTATION: Waardenburg Syndrome
- 1994 UC Otolaryngology Update: 1994
San Francisco, California
PRESENTATION: Hearing Loss in Children—Evaluation and Management
- 1995 Grand Rounds, Department of Otolaryngology—Head & Neck Surgery

University of California, San Francisco

PRESENTATION: Hereditary Hearing Impairment

- 1995-2003 American Academy of Otolaryngology—Head & Neck Surgery
New Orleans, LA
INSTRUCTIONAL COURSE: Molecular Genetics for the Otolaryngologist
- 1995 UC Otology and Neurotology Update: 1995
San Francisco, California
PRESENTATION: Pediatric Cholesteatoma
PRESENTATION: How I Evaluate a Child With SNHL
- 1995 Cleft Palate Care for the '90s — A Symposium
San Francisco, California
PRESENTATION: The Cleft Palate Ear
- 1996-2000 Growth and Development 120, Department of Growth and Development
School of Dentistry, San Francisco, California
PRESENTATION: The Auditory Apparatus
- 1996 Grand Rounds, Department of Otolaryngology—Head & Neck Surgery
University of California, San Francisco
PRESENTATION: Gene Therapy
- 1996 UC Otolaryngology Update: 1996
San Francisco, California
PRESENTATION: Genes and Hearing Loss
- 1994-01 Surgery S110 Course, UCSF School of Medicine
San Francisco, California
PRESENTATION: The Ear
- 1997 Grand Rounds, Department of Otolaryngology—Head & Neck Surgery
University of California, San Francisco
PRESENTATION: Laboratory of Molecular Otology- Research Update
- 1997 UCSF Medical School
PRESENTATION: Frontiers in Otolaryngology
- 1997 Grand Rounds, Department of Otolaryngology—Head & Neck Surgery
University of California, San Francisco
PRESENTATION: Aural Atresia: Classification, Treatment, Surgical
Technique, & Outcome
- 1997 John Muir Medical Center
Walnut Creek, CA
PRESENTATION: Universal Infant Hearing Screening and Childhood
Hearing Loss

- 1997 Special Lecture Series, Department of Medicine
UCSF-Fresno Medical Center, Fresno, CA
PRESENTATION: The Dizzy Patient
- 1997 Fresno VA Medical Center
Fresno, CA
PRESENTATION: The Dizzy Patient
- 1998 Digital Technology Applications for Adults with Severe and Profound HL
UCSF, San Francisco, CA
PRESENTATION Medical Issues in Hearing Loss
- 1998-2003 American Academy of Otolaryngology—Head & Neck Surgery
San Francisco, CA
INSTRUCTIONAL COURSE: Pediatric Otology and Neurotology
- 1998 UC Otology and Neurotology Update
San Francisco, CA
PRESENTATION: How I Evaluate A Child With SNHL
PRESENTATION: Pediatric Cochlear Implantation
PRESENTATION: Aural Atresia: When and How
- 1999 Rehabilitation of Hearing Impairment
University of California and Advanced Bionics Corporation
San Francisco, CA
PRESENTATION: Cochlear Implantation
- 2000 UC Otolaryngology Update
San Francisco, CA
PRESENTATION: Impact of Molecular Genetic Research on the Practice of Otology
- 2000 Technological Advancements in Cochlear Implants
University of California and Advanced Bionics Corporation
Livermore, CA
PRESENTATION: Surgical Aspects of Cochlear Implantation
- 2000 UCSF OTO-HNS Grand Rounds
San Francisco, CA
PRESENTATION: Basics of Molecular Genetics
- 2000 UCSF School of Medicine: Anatomy 103
San Francisco, CA
PRESENTATION: The Auditory System

- 2000 UC Otology and Neurotology Update
San Francisco, CA
PRESENTATION: Special Considerations in Pediatric Cholesteatoma
PRESENTATION: Cochlear Implants: The State of the Art in Y2K
PRESENTATION: How Molecular Genetics Will Change Our Management of Ear Disease
- 2001 Bernstein's Otolaryngology Update
Honolulu and Maui, HI
PRESENTATION: Evaluating a Child with a Hearing Loss
PRESENTATION: Imaging the Temporal Bone: CT vs. MRI
PRESENTATION: Cholesteatoma Surgery: Canal UP or DOWN
PRESENTATION: Contemporary Management of Vertigo
PRESENTATION: Mastoid Surgery Complications: Management
PRESENTATION: Cochlear Implants: Update
- 2001 UCSF Otolaryngology Update
San Francisco, CA
PRESENTATION: Molecular Surgery in Otolaryngology
- 2001 Grand Rounds, Department of Otolaryngology—Head & Neck Surgery
University of California, San Francisco
PRESENTATION: Childhood Hearing Loss
- 2002 Grand Rounds, Department of Pediatrics
San Francisco General Hospital, San Francisco, CA
PRESENTATION: Hearing Loss in Children-Evaluation & Management
- 2002 Special Lecture Series, Department of Pediatrics
UCSF-Fresno Medical Center, Fresno, CA
PRESENTATION: Childhood Hearing Loss
PRESENTATION: Case Presentations
- 2002 UCSF Brown Bag Lecture Series
University of California, San Francisco
PRESENTATION: What's New in Cochlear Implantation?
- 2002 UCSF Otolaryngology and Neurotology Update
San Francisco, CA
PRESENTATION: How I Evaluate a Child with Hearing Loss
PRESENTATION: Role of Facial Nerve Monitoring in Middle Ear and Mastoid Surgery
PRESENTATION: Cochlear Implant Update
- 2003 UCSF Department of Neurology Grand Rounds
San Francisco, CA
PRESENTATION: Genetics of Childhood Hearing Loss
PRESENTATION: Cochlear Implantation

- 2003 NYU Department of Otolaryngology
New York, NY
PRESENTATION: Hearing Loss in Children
- 2003 NYU Open Forum on Cochlear and Brain Stem Implantations
New York, NY
PRESENTATION: Surgical Considerations in Cochlear Implantation
- 2003 Grand Rounds, Department of Neurology
NYU School of Medicine
PRESENTATION: Cochlear Implant Update
- 2003 2nd Annual NYU Cochlear Implant Symposium and Practicum
Post Graduate Course
New York, NY
PRESENTATION: Genetics of Hearing Loss
- 2003 NYU & DRF Citizens Research Conference: Advancements in Hearing
Research & Technology
New York, NY
PRESENTATION: Hearing Loss
- 2004 NYU Department of Pediatrics Grand Rounds
New York, NY
PRESENTATION: Hearing Loss in Children
- 2004 NYU Faculty Council
New York, NY
PRESENTATION: Department of Otolaryngology: The Next 5 Years
- 2004 Surgery Club, NYU School of Medicine
New York, NY
PRESENTATION: Convolution Path to a Successful Academic Career
- 2004 NYU Open Forum on Cochlear and Brain Stem Implants
New York, NY
PRESENTATION: Hearing Loss
PRESENTATION: Cochlear Implant Surgery
- 2004 Brooklyn Community Center
Brooklyn, NY
PRESENTATION: Hearing Loss
PRESENTATION: Cochlear Implant Surgery
- 2005 NYU Alumni Day CME Program
New York, NY

PRESENTATION: New Surgical Technologies at the NYU SOM—
Cochlear Implants

PRESENTATIONS BEFORE SCIENTIFIC SOCIETIES

- 1988 Bay Area Residents' Research Symposium
Oakland, California
POSTER: Mediastinal Complications of Head and Neck
Infections
- 1988 American Academy of Otolaryngology-Head and Neck Surgery
Washington, DC
POSTER: Idiopathic Hemotympanum and Cholesterol
Granuloma in Children
- 1988 American Academy of Otolaryngology-Head and Neck Surgery
Washington, DC
POSTER: The Role of Flexible Endoscopy in the Management
of Acute Airway Obstruction
- 1989 Bay Area Residents' Research Symposium
Oakland, California
PRESENTATION: Indium-Labeled WBC Scans in Head and Neck Surgery
- 1989 Bay Area Residents' Research Symposium
Oakland, California
PRESENTATION: The Changing Face of Cervical Tuberculosis
- 1989 Pacific Coast Oto-Ophthalmological Society
Kauai, Hawaii
PRESENTATION: The Role of 111-Indium Labeled WBC Scan in the
Early Diagnosis of Mediastinal and Thoracic
Extension of Cervical Necrotizing Fasciitis
- 1989 American Academy of Otolaryngology-Head and Neck Surgery
New Orleans, Louisiana
POSTER: Oropharyngeal Ulceration in AIDS Patients
Secondary to Cytomegalovirus Infection
- 1989 American Academy of Otolaryngology-Head and Neck Surgery
New Orleans, Louisiana
POSTER: Deep Neck Abscess: An Unusual Presentation of
Secondary Syphilis
- 1989 American Academy of Otolaryngology-Head and Neck Surgery
New Orleans, Louisiana

- POSTER: Chondrosarcoma of the Temporal Bone: An Unusual Presentation and Advances in Treatment
- 1989 American Rhinologic Society
Annual Meeting, New Orleans, Louisiana
PRESENTATION: Paranasal Sinus Leiomyosarcoma Following Cyclophosphamide and Irradiation
- 1990 American Laryngological, Rhinological and Otolological Society
Western Section, Pebble Beach, California
PRESENTATION: Indium-Labeled WBC Scans in Head and Neck Surgery
- 1990 Bay Area Residents' Research Symposium
Oakland, California
PRESENTATION: Lectin Binding Characteristics of Human SCC
- 1990 Pacific Coast Oto-Ophthalmological Society
Vancouver, British Columbia, Canada
PRESENTATION: The Changing Face of Cervical Tuberculosis
- 1990 American Rhinologic Society
Annual Meeting, San Diego, California
PRESENTATION: Nasal Manifestations of Lepromatous Leprosy
- 1991 North American Skull Base Society
Annual Meeting, Lake Buena Vista, Florida
PRESENTATION: The Transsphenoidal Approach to the Superior Clivus: Indication, Operative Technique, and Results
- 1991 American Academy of Otolaryngology-Head and Neck Surgery
Kansas City, Kansas
POSTER: Benign Congenital Cystic Teratoma of Tongue
- 1991 American Academy of Otolaryngology-Head and Neck Surgery
Kansas City, Kansas
POSTER: Actinomycosis of the External Auditory Canal
- 1991 Copenhagen Acoustic Neuroma Conference
Copenhagen, Denmark
PRESENTATION: Preoperative Differentiation Between Acoustic Neuroma and Meningioma of the Cerebellopontine Angle
- 1992 American Skull Base Society (3rd Annual Meeting)
Acapulco, Mexico
PRESENTATION: Venous Restrictive Disease in Transverse/Sigmoid Sinus Dural Arteriovenous Fistulas
- 1992 North American Skull Base Society (3rd Annual Meeting)

- Acapulco, Mexico
 POSTER: Radiation-Induced Fibrosarcoma Arising in a Glomus Tumor
- 1992 American Rhinologic Society, Annual Meeting
 Palm Desert, California
 PRESENTATION: ¹¹¹Indium-Labeled Leukocyte Scan in Diagnosis of Occult Sinus Infection
- 1992 American Academy of Otolaryngology—Head & Neck Surgery
 Washington, DC
 PRESENTATION: Preoperative Differentiation Between Acoustic Neuroma and Meningioma of the Cerebellopontine Angle Using MRI
- 1992 Waardenburg Consortium, American Society of Human Genetics
 San Francisco, CA
 PRESENTATION: Update on typing of Waardenburg Syndrome, Type 1 and Type 2, Families
- 1993 American Academy of Otolaryngology—Head & Neck Surgery
 Minneapolis, MN
 PRESENTATION: Facial Nerve Outcome Following Acoustic Neuroma Surgery
- 1993 Waardenburg Consortium, American Society of Human Genetics
 New Orleans, LA
 PRESENTATION: Mutations in Waardenburg Syndrome Families
- 1993 American Society of Human Genetics
 New Orleans, LA
 POSTER: A Family With New X-linked Nonsyndromic Sensorineural Hearing Loss
- 1993 American Society of Human Genetics
 New Orleans, LA
 POSTER: Locus Heterogeneity for Waardenburg Syndrome is Not Predictive of Clinical Subtypes
- 1993 NIH Research Festival
 Bethesda, MD
 POSTER: Linkage Studies on a Family With Novel X-linked Nonsyndromic Sensorineural Hearing Loss
- 1994 Association For Research in Otolaryngology
 St. Petersburg Beach, Florida

- POSTER: A Novel X-linked Nonsyndromic Sensorineural Hearing Loss Linked to Duchenne Muscular Dystrophy Locus
- 1994 American Neurotologic Society
Palm Spring, FL
PRESENTATION: Delayed Facial Nerve Palsy Following Acoustic Neuroma Surgery
- 1994 Society of Magnetic Resonance, Second Meeting
San Francisco, CA
PRESENTATION: Cortical Regions Involved in Processing Written English and American Sign Language by Hearing and Deaf Subjects: A Functional MRI Study at 4 Tesla
- 1994 Society of Neuroscience, Annual Meeting
Miami Beach, FL
POSTER: Sentence Reading: A 4T fMRI Study of Cortical Regions Active During an English Reading Task
- 1994 Society of Neuroscience, Annual Meeting
Miami Beach, FL
POSTER: Biological Constraints and Effects of Experience on Cortical Organization for Language: An fMRI Study of Sentence Processing in English and American Sign Language (ASL) by Deaf and Hearing Subjects
- 1994 The American Society of Human Genetics
Montreal, Canada
PRESENTATION: A New Locus for Type 2 Waardenburg Syndrome Maps to 1p13.3-2.1
- 1994 American Academy of Otolaryngology—Head & Neck Surgery
San Diego, CA
PRESENTATION: Phenotypic Expression of Mutations Within the Homeodomain of PAX3 Causing Type 1 Waardenburg Syndrome
- 1995 2nd International Conference on Acoustic Neuroma Surgery
Paris, France
PRESENTATION: Familial Unilateral Acoustic Neuroma. A New Hereditary Syndrome or an Incomplete Form of NF2
- 1995 The American Laryngological, Rhinological and Otological Society
Palm Desert, CA

- PRESENTATION: Growth Rate Characteristics of Acoustic Neuromas (ANs) Associated with NF2.
- 1995 American Academy of Otolaryngology—Head & Neck Surgery
New Orleans, LA
PRESENTATION: Cloning of the Guinea Pig γ ENaC, A Subunit of the Epithelial Sodium Channel, and Analysis of its Sequence and Expression in the Organ of Corti
- 1995 American Academy of Otolaryngology—Head & Neck Surgery
New Orleans, LA
POSTER: Characterization of the Guinea Pig Organ of Corti cDNA Library for Expression of AE Gene Family and Cloning and Sequence Analysis of its Most Abundant Member AE2
- 1995 The American Society of Human Genetics
Minneapolis, MN
POSTER SYMPOSIA: In Vivo Gene Therapy for Hearing Disorders
POSTER: Familial Unilateral Acoustic Neuroma
POSTER: Identification of a New Locus for Recessive Nonsyndromic Hereditary Hearing Impairment
- 1995 Molecular Biology of Hearing and Deafness
Washington, DC
PRESENTATION: Development of in vivo Gene Therapy for Hearing Disorders: Introduction of Adeno-Associated Virus into the Cochlea of Guinea Pig
POSTER: Identification of a Preferentially Expressed cDNA Clone From a Guinea Pig Organ of Corti Derived cDNA Library
POSTER: Three Mutations in the Paired Homeodomain of PAX3 That Causes Waardenburg Syndrome Type 1
- 1996 The American Society of Human Genetics
San Francisco, CA
POSTER: Long Term Transgene Expression Within Guinea Pig Cochlea Using Adeno-Associated Virus Vector
POSTER: Genetic Linkage Analysis in a Multigenerational Family With Hereditary Non-Chromaggin Parangliomas
- 1996 European Work Group on Genetic of Hearing Impairment
Milano, Italy
PRESENTATION: Cochlear Gene Therapy
- 1997 Western Section Meeting, The Triological Society
Tucson, AZ

- PRESENTATION: Perioperative Management of von Willebrand's Disease in Otolaryngologic Surgery
- 1997 Association for Research in Otolaryngology
St. Petersburg Beach, FL
PRESENTATION: Identification and Characterization of Aquaporin 2 in the Rat Inner Ear
PRESENTATION: The Effect of Cochleostomy and Intracochlear Infusion on Frequency Specific Auditory Brainstem Response
PRESENTATION: Green Fluorescent Protein as a Reporter for Gene Transfer Studies Into the Cochlea of a Guinea Pig
PRESENTATION: Long Term In Vivo Expressin of a Transgene Within the Guinea Pig Cochlea Introduced Via AAV
- 1997 American Neurotology Society
Scottsdale, AZ
PRESENTATION: Audiologic Presentation of Vestibular Schwannomas (VS) In NF2
- 1997 The Triological Society
Scottsdale, AZ
PRESENTATION: Genetic Screening of the NF2 Gene in Patients with Familial Unilateral Acoustic Neuroma
- 1997 American Otological Society
Scottsdale, AZ
PRESENTATION: The Clarion Multistrategy Cochlear Implant: Surgical Technique, Complications and Results
- 1997 American Academy of Audiology
Salt Lake City, Utah
POSTER: Reimplantation: STORZ to Clarion Cochlear Implant
- 1997 American Academy of Otolaryngology—Head & Neck Surgery
San Francisco, CA
POSTER: Sensorineural Hearing Loss, Early Greying and Essential Tremor: A Hereditary Syndrome
POSTER: Post-transplant Lymphoproliferative Disorder Presenting in the Head & Neck
PRESENTATION: Germline Screening of the NF-2 Gene in Families with Unilateral Vestibular Schwannoma (First Place Resident Clinical Science Award, Paul H. Bikhazi, MD)
POSTER: The Efficacy of Adeno-Associated Virus Mediated Introduction of Brain Derived Nerve Growth Factor in Preventing Neural Degeneration Following Aminoglycoside-Induced Ototoxicity in the Guinea Pig

- 1997 American Society of Human Genetics
Baltimore, MD
POSTER: A Gene For Recessive Nonsyndromic Sensorineural Hearing Impairment (DFNB18) Maps to the Chromosomal Region Containing the USH1C gene
- 1998 Association for Research in Otolaryngology
St. Petersburg Beach, FL
PRESENTATION: Identification of Aquaporin 4 in the Rat Cochlea and Assessment of Auditory Function in Aquaporin 4 Gene Knock-Out Mice Ear
- PRESENTATION: Intracochlear Infusion of Recombinant Adeno-Associated Virus: Analysis of its Dissemination to Near and Distant Tissues
- PRESENTATION: Liposome Mediated Gene Transfer in the Guinea Pig Cochlea
- 1998 American Neurotology Society
Palm Beach, FL
PRESENTATION: Expression of Adeno-Associated Virus Integrated Transgene Within the Mammalian Vestibular Organ (NICHOLAS TOROK VESTIBULAR AWARD)
- 1998 American Society of Pediatric Otolaryngology
Palm Beach, FL
PRESENTATION: Auditory and Facial Nerve Dysfunction in Patients with Hemifacial Microsomia
- 1998 Gene Therapy Core Center, UCSF
San Francisco, CA
PRESENTATION: Current Issues in Cochlear Gene Therapy
- 1998 Bay Area Resident Research Symposium
Oakland, CA
PRESENTATION Genetic Screening of the NF2 Gene in Families With Unilateral Vestibular Schwannoma
- 1998 American Society of Gene Therapy
Seattle, WA
POSTER: Lentivirus Mediated Gene Transfer In The Guinea Pig Cochlea
- POSTER: Cationic Liposome-Mediated Gene Transfection In The Guinea Pig Cochlea Using Reporter Gene Green Fluorescent Protein

- POSTER: Use Of Cochlear Organotypic Culture System For Assessing Utility Of Lentivirus As A Gene Transfer Vector In Cochlear Gene Therapy
- 1998 The Molecular Biology of Hearing and Deafness
Bethesda, MD
PRESENTATION: Intracochlear Gene Therapy: The Relative Safety of Four Different Gene Transfer Vectors
POSTER: Lentivirus Mediated Gene Transfer in the Guinea Pig Cochlea
POSTER: DFNA17: A New Locus For Nonsyndromic Hearing Loss Maps to Chromosome 22
- 1999 Association for Research in Otolaryngology
St. Petersburg Beach, FL
PRESENTATION: Effects of AAV-Mediated Expression of BDNF Gene Upon Spiral Ganglion Neurons Following Ototoxic Insult
- 1999 European Work Group on Genetic of Hearing Impairment
Venizia, Italy
PRESENTATION: AAV and Lentivirus Mediated Gene Transfer in the Cochlea
- 1999 American Neurotologic Society
Palm Desert, CA
PRESENTATION: Familial Paraganglioma: The Empact of Molecular Genetics on Evaluation and Treatment
- 1999 American Academy of Otolaryngology-Head & Neck Surgery
New Orleans, CA
PRESENTATION: Nonviral Intracochlear Gene Therapy
- 1999 American Society of Human Genetics
San Francisco, CA
POSTER: A Novel Nonsyndromic Recessive Form of Deafness Maps to 4q28 and Demonstrates Incomplete Penetrance
- 2000 Association for Research in Otolaryngology
St. Petersburg Beach, FL
PRESENTATION: Adeno-Associated Virus Mediated Gene Transfer Into the Mouse Cochlea
PRESENTATION: In Vivo Intracochlear Transgene Delivery: Its Effect Upon Auditory Function and Structure
PRESENTATION: The Rat Gamma EnaC, A Subunit of the Epithelial Sodium Channel: cDNA Cloning and In Situ Localization in the Cochlea

- PRESENTATION: Clinical Identification of a Large 5 Generation Family With Autosomal Dominant Sensorineural Hearing Loss
- 2000 The Triological Society
Orlando, FL
PRESENTATION: Lateral Semicircular Canal Malformation is Associated with SNHL and CHL
POSTER: Role of Angiography in the Evaluation of Patients with Pulsatile Tinnitus
- 2000 13th Annual Meeting, Major Issues in Prion Research
San Francisco, CA
PRESENTATION: Auditory Dysfunction in Transgenic PrP^c Mice
- 2000 American Academy of Otolaryngology-Head & Neck Surgery
Washington, DC
PRESENTATION: Detection of Fungi in the Nasal Mucosa Using Polymerase Chain Reaction
PRESENTATION: Postoperative Infections Following Cochlear Implantation: A Conservative Management Strategy
- 2001 Western Section, The Triological Society, Carlsbad, CA
PRESENTATION: Vestibular Aqueduct As a Portal of Bacterial Entry Into the Inner Ear in Meningitis
PRESENTATION: The Value of Enhanced MRI in the Evaluation of Endocochlear Disease
- 2001 Association for Research in Otolaryngology, St. Petersburg Beach, FL
PRESENTATION: Human Nonsyndromic Hereditary Deafness DFNA17 is Due to Mutation in Nonmuscle Myosin MYH9
PRESENTATION: Mutation Analysis of PGL1 in Sporadic and Familial Head and Neck Paraganglioma
POSTER: Intracochlear Delivery of Therapeutic Agent Through an Intact Round Window Membrane in Mouse
POSTER: Further Dissection of the DFNA2 Locus: Is There a Third Gene?
- 2001 The Triological Society
Palm Desert, CA
PRESENTATION: Utility of Laboratory Evaluation in the Diagnostic Evaluation of Children with Sensorineural Hearing Loss
- 2001 IXth International Facial Nerve Symposium
San Francisco, CA
PRESENTATION: Facial Nerve Monitoring in Middle Ear and Mastoid Surgery

- 2001 American Academy of Otolaryngology-Head & Neck Surgery
Denver, CO
PRESENTATION: Connexin 26 Mutations in Cochlear Implant Recipients: Prevalence and Outcomes
PRESENTATION: Role of Fungi in Acute and Serous Otitis Media
PRESENTATION: Rapid and Sensitive PCR Assay for the Detection of Nasal Pathogen *Bipolaris*
POSTER: The Use of Preyer's Reflex in Evaluating Hearing in Experimental Mice
POSTER: Role of DNA Viruses in the Etiology of Benign Parotid Tumors
- 2001 American Academy of Pediatrics
San Francisco, CA
PRESENTATION: Ocular Findings are Common in Children with Sensorineural Hearing Loss
- 2002 Association for Research in Otolaryngology
St. Petersburg Beach, FL
PRESENTATION: Characterization of Prion Protein (PrP)-Induced Hearing Loss and Its Pathophysiology in Transgenic Mice
- 2002 American Academy of Otolaryngology-Head & Neck Surgery
San Diego, CA
PRESENTATION: CT Measurements Are Crucial in Diagnosis of Inner Ear Malformations
POSTER: Clinical Manifestations of Mutations in CX26
POSTER: Significance of House-Brackmann Facial Nerve Grading Global Score in the Setting of Differential Facial Nerve Function
- 2002 UCSF 3rd Annual Clinical Research Symposium
San Francisco, CA
POSTER: Cochlear Implant Outcomes in Older Patients
- 2003 Western Section, The Triological Society
Indian Wells, CA
PRESENTATION: Otolaryngologic Manifestations of Cleidocranial Dysplasia, Concentrating on Audiologic Findings
- 2003 Association for Research in Otolaryngology
Daytona Beach, FL
PRESENTATION: Effect of Overexpression of Cu/Zn Superoxide Dismutase on Noise- and Age-Related Hearing Loss

- PRESENTATION: The FGF Antagonist Sef is Expressed in the Auditory System and May be Required for Hearing
- PRESENTATION: Cloning and Developmental Expression of Nonmuscle Myosin IIA (MYH9) in the Mammalian Inner Ear
- 2003 The Triological Society
Nashville, TN
POSTER: Identification of Previously 'Undetectable' Abnormalities of the Bony Labyrinth with CT Measurement
- POSTER: Quantitative Analysis of Fungal DNA in Chronic Rhinosinusitis
- 2003 American Neurotology Society
Nashville, TN
PRESENTATION: Cochlear Implantation in the Elderly
- 2004 VIII International Cochlear Implant Conference
Indianaolis, IN
PRESENTATION: Expanding Candidacy for Cochlear Implantation
- POSTER: Soft Signs and Reimplantation of Cochlear Implant Failures in Children
- 2004 American Academy of Otolaryngology- Head & Neck Surgery
New York, NY
POSTER: Immunohistochemical Detection of Hypoxia-Induced Factor-Alpha in Endolymphatic Sac Tumors
- 2005 American Society of Neuroradiology, 43rd Annual Meeting
Toronto, Ontario, Canada
PRESENTATION: Two Measurements on Temporal Bone CT Increase Recognition of Inner Ear Malformation and Predict Sensorineural Hearing Loss
- PRESENTATION: The Cochlear - Carotid Interval: Anatomic Variation And Potential Clinical Implications

INVITED SPEAKER

- 1994 Resident Research Forum, Department of Otolaryngology—Head and Neck Surgery
Henry Ford Hospital, Detroit, MI
PRESENTATION: Identifying Genes That Cause Deafness That Cause Deafness
- 1994 Grand Rounds, Department of Otolaryngology—Head and Neck Surgery
University of Mississippi Medical Center, Jackson, MS

- PRESENTATION: Adventures in Molecular Otology: In Search of Genes That Cause Deafness
- PRESENTATION: Facial Nerve Outcome Following AN Surgery
- 1995 American Academy of Audiology
Dallas, TX
PRESENTATION: Molecular Genetics of Hearing Loss (*Medical Considerations in Hearing Loss Symposia*)
- 1996 American Cleft Palate-Craniofacial Association
San Diego, CA
PRESENTATION: Otologic Considerations in Hemifacial Microsomia (Presymposia Conference. *Hemifacial Microsomia: Genetics, Etiologies, Development and Management*)
- 1996 American Academy of Audiology
Salt Lake City, UT
PRESENTATION: Sensorineural Hearing Loss in Children
- 1996 Northern California Chapter of American College of Surgery
San Francisco, CA
PRESENTATION: Cochlear Implantation
- 1997 Kresge Research Hearing Institute, University of Michigan
Ann Arbor, MI
PRESENTATION: AAV-Mediated Gene Transfer in the Cochlea
- 1997 National Center For Excellence in Molecular Biology
Lahore, Pakistan
PRESENTATION: Cochlear Gene Therapy
- 1997 30th Annual Advances and Controversies in Clinical Pediatrics
San Francisco, CA
PRESENTATION: Universal Infant Hearing Screening: Has Its Time Come?
- 1997 International Hearing Amplification Society
San Francisco, CA
PRESENTATION: Genetics and Pediatric Hearing Impairment
- 1998 Symposium on Deafness, All India Institute of Medical Sciences
New Delhi, India
PRESENTATION: Syndromic Sensorineural Hearing Loss in Children
PRESENTATION: Cochlear Gene Therapy
- 1998 International Symposium on Cell and Molecular Biology of the Ear
House Ear Institute, Los Angeles, CA
PRESENTATION: Adeno-Associated Virus Mediated Gene Transfer

- 1998 Dallas Academy of Otolaryngology
Dallas, TX
PRESENTATION: Gene Therapy for Hearing Disorders
- 1998 International Congress of Pediatric Otorhinolaryngology
Helsinki, Finland
PRESENTATION: Cochlear Gene Therapy
- 1998 Frontiers in Otorhinolaryngology, Head and Neck Surgery
Sydney, Australia
PRESENTATION: Cochlear Gene Therapy
- 1999 Kaiser Permanente Head and Neck Surgery Symposium
Costa Mesa, CA
PRESENTATION: Evaluation and Management of Hearing Loss in Children
PRESENTATION: Pediatric Cochlear Implantation
- 1999 UCSF's 27th Advances in Internal Medicine
San Francisco, CA
PRESENTATION: Hearing Loss
- 2000 Tuebingen Symposium in Otology
Tuebingen, Germany
PRESENTATION: Inner Ear Gene Therapy
- 2000 3rd International Congress of Paediatric Audiology
Copenhagen, Denmark
PRESENTATION: Gene Therapy
- 2000 4th European congress of Oto-Rhino-Laryngology, Head and Neck Surgery
Berlin, Germany
PRESENTATION: Cochlear Gene Therapy
- 2000 American Academy of Otolaryngology—Head & Neck Surgery, Annual Meeting
Washington, DC
PRESENTATION: Needle in the Haystack: Once Found, What's Next?
- 2000 University of Minnesota, Boies Lecturer
Minneapolis, MN
PRESENTATION: Role of the Otolaryngologist in Molecular Research
- 2000 Royal Society of Medicine, Section on Otology
London, United Kingdom
PRESENTATION: Gene Based Therapy for Inner Ear Disorders
- 2001 UCSF Genetics Day
Marin Headlands, CA

- PRESENTATION: Genetics of Hearing Loss
- 2001 Auditory Function and Dysfunction: Molecular & Physiological Mechanisms
Auckland, New Zealand
PRESENTATION: Current Issues in Cochlear Gene Therapy
- 2001 International Symposium on Cochlear Implant and Auditory-Verbal Rehabilitation
Chang Gung Memorial Hospital, Taipei, Taiwan
PRESENTATION: How Molecular Genetics Will Change Management
of Ear Disease
- 2002 15th Annual AAO-HNSF Cherry Blossom Conference
Contemporary Management of Sensorineural Hearing Loss
Washington, DC
PRESENTATION: Syndromic Sensorineural Hearing Loss
PRESENTATION: Non-Syndromic Sensorineural Hearing Loss
PRESENTATION: Route of Administration of Transtympanic
Medication
- 2002 II Curso Internacional de Otología y Neurotología
Madrid, Spain
PRESENTATION: Evaluation of Childhood Hearing Loss
PRESENTATION: Tumors of the Jugular Foramen
PRESENTATION: Surgical Treatment of Vestibular Schwannoma
- 2002 Nobel Conference: *To Restore Hearing*
Stockholm, Sweden
PRESENTATION: Potential of Cochlear Gene Therapy in Restoring
Hearing
- 2002 Pacific Coast Oto-Ophthalmological Society
Lake Tahoe, CA
PRESENTATION: Hearing Loss in Children
PRESENTATION: Cholesteatoma
PANEL: What's New in Cochlear Implantation
- 2002 University of Wisconsin's Summer Update in Otolaryngology
Beaver Creek, CO
PRESENTATION: Contemporary Evaluation of Pediatric SNHL
PRESENTATION: Controversy in Cholesteatoma Management: Canal
Wall Up vs. Canal Wall Down
PRESENTATION: Cochlear Implantation Update
PANEL: Case Presentations in Otolaryngology
- 2002 American Neurotological Society
San Diego, CA
PRESENTATION: Genetics of Deafness

- 2002 University of Michigan Temporal Bone Course
Ann Arbor, MI
PRESENTATION: Cholesteatoma
PRESENTATION: Complications of Mastoid Surgery
- 2002 University of Michigan Otolaryngology Grand Rounds
Ann Arbor, MI
PRESENTATION: Genetics of Childhood Hearing Loss
- 2002 Ben Senturia Lecturer, Department of Otolaryngology
Washington University
PRESENTATION: Cochlear Gene Therapy
- 2002 St. Louis ENT Club, St. Louis, MO
PRESENTATION: Cochlear Implantation in Children
- 2002 Penn State University Otolaryngology Grand Rounds
Hershey, PA
PRESENTATION: Childhood Hearing Loss
- 2002 Central Pennsylvania Society of Otorhinolaryngologists
Hershey, PA
PRESENTATION: What's New in Cochlear Implantation
- 2003 5th GCC Otorhinolaryngological Head & Neck Surgery Conference
Dubai, United Arab Emirates
PRESENTATION: Sensorineural Hearing Loss
PRESENTATION: Tricks in Cholesteatoma Surgery
PRESENTATION: Issues in Cochlear Implantation
- 2003 Long Island Society of Otorhinolaryngology
Great Neck, NY
PRESENTATION: Childhood Hearing Loss
- 2003 Mayo Clinic Otofest 2003
Rochester, MN
PRESENTATION: Cholesteatoma and Tympanoplasty
PRESENTATION: External Auditory Canal Atresia
- 2003 Visiting Professor, Memorial Sloan Kettering Cancer Center
New York, NY
PRESENTATION: Jugular Foramen Tumors
PRESENTATION: Considerations in Gene Therapy
- 2003 Department of Otolaryngology, Lenox Hill Hospital
New York, NY
PRESENTATION: Diagnosis and Management of Pediatric Hearing Loss

- 2003 Department of Otolaryngology, Mt. Sinai School of Medicine
New York, NY
PRESENTATION: Childhood Hearing Loss
- 2003 The New England Otolaryngological Society
Boston, MA
PRESENTATION: Childhood Hearing Loss
PRESENTATION: What's New in Cochlear Implantation
- 2004 University of Medicine & Dentistry of New Jersey
New Jersey Medical School Grand Rounds
Newark, NJ
PRESENTATION: Genetics of Hearing Loss
- 2004 Arab Health Congress– Otology Update
Dubai, United Arab Emirates
PRESENTATION: Canal Wall Up vs. Down: What's the Controversy
PRESENTATION: Atresia: Patient Selection and Surgical Correction
PRESENTATION: Update on Ossicular Reconstruction
PRESENTATION: Childhood Hearing Loss
- 2004 Eastern Section Meeting, The Triological Society
New York, NY
PRESENTATION: Management Options for Vestibular Schwannoma
(Panel: Controversies in Otology)
- 2004 CUNY Ph.D. Program in Speech and Hearing Sciences, Spring 2004
Colloquium Series
New York, NY
PRESENTATION: Childhood Hearing Loss
- 2004 American Speech-language-Hearing Association "Audiology 2004": Pediatric
Audiology & Genetics
Orlando, FL
PRESENTATION: New Directions in Gene-Based Treatment
DISCUSSION: Gene Mapping and Therapy
PANEL: Interdisciplinary Grand Rounds
- 2004 SUNY Stony Brook Combine Pediatrics and Otolaryngology Grand Rounds
Stony Brook, NY
PRESENTATION: Childhood Hearing Loss
- 2004 New York State Speech-Language-Hearing Association, Inc.: 44th Annual
Convention
Albany, NY
PRESENTATION: Medical and Surgical Considerations in Cochlear
Implantation (Mini-seminar: An Introduction to CI)
- 2004 Michigan Oto-Laryngological Society

- Dearborn, MI
PRESENTATION: Childhood Hearing Loss
- 2004 Columbia University Otolaryngology Grand Rounds
New York, NY
PRESENTATION: What's New in Cochlear Implantation
PRESENTATION: Treatment of Cholesteatoma
- 2004 American Neurotology Society Fall Program, Emerging Technologies: A
Glimpse into the Future of Neurotology
New York, NY
PRESENTATION: Cochlear Gene Therapy
- 2004 Brooklyn College Annual Symposium: Genetics and Hearing Loss
Brooklyn, NY
PRESENTATION: New Developments in the Identification of
Genetically-Based Hearing Disorders
- 2004 Department of Otolaryngology, Long Island Jewish Hospital
Long Island, NY
PRESENTATION: Evaluation and Management of Childhood Hearing
Loss
- 2005 Department of Otolaryngology, Long Island College Hospital
Brooklyn, NY
PRESENTATION: Molecular Genetics of Deafness
- 2005 Eastern Section Meeting, The Triological Society
Washington, DC
PRESENTATION: Meniere's Disease: Etiology
(Panel: Meniere's Disease- Etiologies, Patient
Evaluation and Treatment Options)
- 2005 Ultimate Colorado Mid-Winter Meeting
Vail, CO
PRESENTATION: Genetics of Hearing Impairment
- 2005 Department of Otolaryngology, New York Eye and Ear Infirmary
New York, NY
PRESENTATION: Childhood Hearing Loss & Genetics of Hearing
Impairment
- 2005 Department of Otolaryngology, Albert Einstein School of Medicine
Bronx, NY
PRESENTATION: Childhood Hearing Loss
- 2005 Department of Pediatrics, Staten Island University Hospital
Staten Island, NY

PRESENTATION: Hearing Loss in Children

MEETINGS: Invited Participant

2004 Consensus Conference on Effective Educational and Health Care Interventions for Infants and Young Children with Hearing Loss, Alexandria, VA, (September 10 – 12, 2004)

MEETINGS: Scientific Organization Committee

1999 6th International conference on Physiology and Pathology of Hearing
Warsaw, Poland

2002 XXVIII Congress of the Pan American Association of Otorhinolaryngology-
Head and Neck Surgery, San Francisco, CA

2003 The 2003 Citizens Research Conference:Advancements in Hearing
Technology
New York, NY

2004 Arab Health Congress: Otology Update
Dubai, United Arab Emirates

2005 International Symposium on Meniere's Disease and Inner Ear Homeostasis
Los Angeles, CA

MODERATOR

1994 UC Otolaryngology Update: 1994
San Francisco, CA
SESSION: Pediatric Otolaryngology

1994 American Academy of Otolaryngology—Head & Neck Surgery
San Diego, CA
SESSION: Cochlea and Auditory Nerve, Research Forum

1996 American Academy of Audiology
Salt Lake City, UT
SESSION: Pediatric Otology

1996 Bay Area Resident Research Conference
Oakland, CA
SESSION: Research Presentations

1999 Association for Research in Otolaryngology
St. Petersburg Beach, FL
SESSION: Genetics II

- 1999 UC Otolaryngology Update: 1999
San Francisco, CA
SESSION: Otolology and Neurotology
- 2000 UC Otolology and Neurotology Update: 2000
San Francisco, CA
SESSION: Tympanoplasty and Ossicular Chain Reconstruction
- 2001 Association for Research in Otolaryngology
St. Petersburg Beach, FL
SESSION: Genetics III
- 2001 UC Otolaryngology Update: 2001
San Francisco, CA
SESSION: General Otolaryngology/Otology
- 2002 Association for Research in Otolaryngology
St. Petersburg Beach, FL
SESSION: Issues in Training, Recruitment, Support of
Physician Scientists
- 2002 UC Otolology and Neurotology Update: 2002
San Francisco, CA
SESSION: Cholesteatoma and Chronic Otitis Media
- 2003 American Neurotology Society
Nashville, TN
SESSION: Cochlear Implants and Facial Nerve
- 2003 Management of Challenges in Otology
New York, NY
SESSION: Panel Discussion on Neurosensory Hearing Loss
- 2003 NYU Evaluation & Patient Management of the Patient with Dizziness
SESSION: Challenges in Management
- 2003 NYU & DRF Citizens Research Conference
New York, NY
SESSION: Advancements in Hearing Research & Technology
- 2004 Arab Health Congress – Otology Update 2004
Dubai
SESSION: Implantable Devices Round Table
- 2004 The Triological Society
Phoenix, AZ

SESSION:

Simultaneous Session: EAR

2004

Consensus Conference on Effective Educational and Health Care
Interventions for Infants and Young Children with Hearing Loss
Alexandria, VA

SESSION:

Education and Health Care Issues (Topic 2)

ABSTRACTS

1. Bates FJ, Watson D, **Lalwani AK**. The Role of Flexible Endoscopy in the Management of Acute Airway Obstruction. *Otolaryngology-Head and Neck Surgery* 1988; 99(2): 193.
2. **Lalwani AK**, Tami TA. Deep Neck Abscess: An Unusual Presentation of Secondary Syphilis. *Otolaryngology-Head and Neck Surgery* 1989; 101(2): 225.
3. **Lalwani AK**, Langman A, Crumley RL. Chondrosarcoma of the Temporal Bone: An Unusual Presentation and Advances in Treatment. *Otolaryngology-Head and Neck Surgery* 1989; 101(2): 249.
4. **Lalwani AK**, Baldwin CT, Morell R, Friedman TB, San Agustin TB, Milunsky A, Adair R, Asher JH, Wilcox ER, Farrer LA. A locus for Waardenburg syndrome type II maps to chromosome 1p13.3-2.1. *Am J Hum Genet* 1994; 55 (supplement): A14.

PUBLICATIONS: Refereed Articles

1. **Lalwani AK**, Kaplan MJ. Paranasal Sinus Leiomyosarcoma Following Cyclophosphamide and Irradiation. *Otolaryngology-Head and Neck Surgery* 1990; 103(6): 1039-1042.
2. **Lalwani AK**, Snyderman NL. Pharyngeal Ulceration in AIDS Patients Secondary to Cytomegalovirus Infection. *Annals of Otolaryngology, Rhinology, & Laryngology* 1991; 100(6): 484-7.
3. **Lalwani AK**, Engelstad BL, Boles R. Significance of Abnormal 111-Indium Leukocyte Accumulation in the Head and Neck Region. *Archives of Otolaryngology-Head & Neck Surgery* 1991; 117(10): 1038-1143.
4. **Lalwani AK**, Jackler RK. Spontaneous Hemotympanum Associated With Chronic Middle Ear Effusion. *American Journal of Otolaryngology* 1991; 12(6): 455-458.
5. **Lalwani AK**, Kaplan MJ. Mediastinal and Thoracic Complications of Necrotizing Fasciitis of the Head and Neck. *Head & Neck* 1991; 13: 531-539.
6. Lee KC, Tami TA, **Lalwani AK**, Schechter G. The Changing Face of Cervical Tuberculosis. *Laryngoscope* 1992; 102(1): 60-64.

7. **Lalwani AK**, Tami TA, Gelber RH. Nasal Manifestations of Lepromatous Leprosy. *Annals of Otolaryngology, Rhinology, & Laryngology* 1992; 101: 261-264.
8. **Lalwani AK**, Jackler RK. Endaural Encephalocele. *Otolaryngology-Head & Neck Surgery* 1992, 103(3): 309-310.
9. **Lalwani AK**, Engel T. Teratoma of the Tongue: A Case Report and Review of the Literature. *International Journal of Pediatric Otorhinolaryngology* 1992; 24(3): 227-233.
10. Grundfast KM, **Lalwani AK**. Practical Approach to Diagnosis and Management of Hereditary Hearing Impairment (HHI). *Ear Nose and Throat Journal*, 1992; 71(10): 306-318.
11. **Lalwani AK**, Chang JYJ, Lalwani RB. Indium 111-Labeled White Blood Cell Scan in Diagnosis of Occult Sinus Infection. *American Journal of Rhinology*, 1992; 6(6): 215-218.
12. **Lalwani AK**, Kaplan MJ, Gutin PH. The Trans-Sphenoethmoid Approach to the Sphenoid Sinus and Clivus. *Neurosurgery*, 1992; 31(6): 1008-1014.
13. Chang JYJ, **Lalwani AK**, Lanser MJ. Actinomycosis of the External Auditory Canal. *Otolaryngology-Head & Neck Surgery*, 1993; 108(1): 73-75.
14. **Lalwani AK**, Lalwani RB, Bartlett PC. Heterotopic Gastric Mucosal Cyst of the Tongue. *Otolaryngology-Head & Neck Surgery*, 1993; 108(2): 204-205.
15. **Lalwani AK**, Dowd CF, Halbach VV. Venous Restrictive Disease in Transverse/Sigmoid Sinus Dural Arteriovenous Fistulas. *Journal of Neurosurgery*, 1993; 79(1): 11-15.
16. **Lalwani AK**, Jackler RJ, Gutin PH. A Lethal Fibrosarcoma Complicating Radiation Therapy for a Benign Glomus Jugulare Tumor. *American Journal of Otolaryngology*, 1993; 14(4): 398-402.
17. Kingdom TT, **Lalwani AK**, Pitts LH. Metastatic Melanoma Presenting as Cerebellopontine Angle Tumor. *Neurosurgery*, 1993; 33(1): 142-144.
18. **Lalwani AK**, Jackler RK. Preoperative Differentiation Between Meningioma of the Cerebellopontine Angle and Acoustic Neuroma Using Magnetic Resonance Imaging. *Otolaryngology—Head & Neck Surgery*, 1993; 109(1): 88-95.
19. **Lalwani AK**, Jackler RK, Harsh GR IV, Butt, FYS. Bilateral Temporal Bone Encephaloceles Following Cranial Irradiation. *Journal of Neurosurgery*, 1993; 79: 596-599.
20. **Lalwani AK**, Grundfast KM. A Role For The Otolaryngologist in Identification and Discovery of Genetic Disorders and Chromosomal Abnormalities. *Archives of Otolaryngology—Head & Neck Surgery*, 1993; 119(10): 1074-1081.
21. Farrer LA, Asher JH, Baldwin CT, Friedman TB, Greenberg J, Grundfast KM, **Lalwani AK**, Milunsky A., Morell R., Newton V., Rao VS, San Agustin T, Wilcox ER, Winship I, Read

- AP. Locus heterogeneity for Waardenburg syndrome is predictive of clinical subtypes. *The American Journal of Human Genetics*, 1994; 55: 728-737.
22. **Lalwani AK**, Brister JR, Fex J, Grundfast KM, Pikus A, Ploplis B, San Agustin T, Skarka H, Wilcox ER. A New Nonsyndromic X-linked Sensorineural Hearing Impairment Linked to Xp21.2. *The American Journal of Human Genetics*, 1994; 55: 685-694.
23. **Lalwani AK**, Butt, FYS, Jackler RK, Pitts LH, Yingling C. Facial Nerve Outcome Following Acoustic Neuroma Surgery: A Study From the Era of Cranial Nerve Monitoring. *Otolaryngology—Head and Neck Surgery* 1994; 111: 561-570.
24. **Lalwani AK**, Ploplis B, Fex J, Grundfast KM, Wilcox ER. Further Elucidation of the Genomic Structure of PAX3 and Identification of Two Different Point Mutations in the Homeobox of PAX3 Gene Causing Type 1 Waardenburg Syndrome. *The American Journal of Human Genetics*, 1995; 56(1): 75-83.
25. **Lalwani AK**, Butt, FYS, Jackler RK, Pitts LH, Yingling CD. Delayed Facial Nerve Palsy Following Acoustic Neuroma Surgery. *American Journal of Otology*, 1995; 16(6): 758-764.
26. Jain PK, Fukushima K, Deshmukh D, Ramesh A, Thomas E, **Lalwani AK**, Kumar S, Ploplis B, Skarka H, Srisailapathy CRS, Wayne S, Zbar RIS, Verma IC, Smith RJH, Wilcox ER. A human recessive neurosensory nonsyndromic hearing impairment locus is a potential homologue of the murine deafness (*dn*) locus. *Human Molecular Genetics*, 1995; 4(12): 2391-2394.
27. **Lalwani AK**, Carey T, Peters B, Goldstein IJ. Lectin Binding Characteristics of SCC of the Head and Neck. *Acta Otolaryngologica (Stockh)*, 1996; 116: 125-131.
28. **Lalwani AK**, Walsh B, Reilly PG, Muzyska N, Mhatre A. Development of in vivo Gene Therapy for Hearing Disorders: Introduction of Adeno-Associated Virus Into the Guinea Pig Cochlea. *Gene Therapy*, 1996; 3(7): 588-592.
29. Abaza M, Makariou EV, Armstrong M, Pikus A, **Lalwani AK**. Growth Rate Characteristics of Acoustic Neuromas (ANs). *Laryngoscope*, 1996; 106(6): 694-699.
30. **Lalwani AK**, Mhatre AN, San Agustin T, Wilcox ER. Genotype-Phenotype Correlations in Type 1 Waardenburg Syndrome. *Laryngoscope*, 1996; 106(7): 895-902.
31. Morell R, Carey ML, **Lalwani AK**, Friedman TB, Asher JH Jr. Three Mutations in the Paired Homeodomain of PAX3 That Cause Waardenburg Syndrome Type 1. *Human Heredity*, 1997; 47(1): 38-41.
32. Peterson-Falzone SJ, Golabi M, **Lalwani AK**. Otolaryngologic Manifestations of Kabuki Syndrome. *International Journal of Pediatric Otorhinolaryngology*, 1997; 38: 227-236.
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PUBLICATIONS: Invited Editorial

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BOOK CHAPTERS

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3. **Lalwani AK**, Jackler RK. Ear (Chapter 24). In Lonergan ET, ed. Geriatrics, An Appleton Lange Clinical Manual. Appleton & Lange, Stamford, CT, 1996, pp 380-391.
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6. Reilly PG, **Lalwani AK**, Jackler RK. Congenital Anomalies of the Inner Ear (Chapter 13). In **Lalwani AK** and Grundfast KM (eds), Pediatric Otology and Neurotology. J. B. Lippincott Co., Philadelphia, PA, 1998, 201-210.
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9. Kheterpal U, **Lalwani AK**. Nonsyndromic Hereditary Hearing Impairment (Chapter 21). In **Lalwani AK** and Grundfast KM (eds), Pediatric Otology and Neurotology. J. B. Lippincott Co., Philadelphia, PA, 1998, pp 313-340.

10. Wareing M, **Lalwani AK**, Jackler RK. Development of the Ear (Chapter 5). In Bailey B (ed), Otolaryngology—Head & Neck Surgery, J. B. Lippincott Co., Philadelphia, PA, 1998, 53-64.
11. **Lalwani AK**, Goldstein JA, Mhatre AN. Adeno-Associated Virus Mediated Gene Transfer in the Peripheral Auditory System. In Lim DJ (ed) Cell and Molecular Biology of the Ear, Kluwer Academic/Plenum Publishers, New York, NY, 2000, 225-237.
12. Coatesworth A, **Lalwani AK**. Neurofibromatosis 2 (Chapter 24). In Jackler RK and Driscoll CLW (eds.) Tumors of the Temporal Bone, Lippincott, Williams & Wilkins, Philadelphia, PA, 2000, pp 405-416.
13. Friedman TB, Probst FJ, Wilcox ER, Hinnant JT, Liang Y, Wang A, Barber TD, **Lalwani AK**, Anderson DW, Arhya IN, Winata S, Moeljapowiro S, Asher JH Jr, Dolan D, Raphael Y, Fridell RA, Camper SA. The myosin-15 molecular motor is necessary for hearing in humans and mice: a review of DFNB3 and *shaker-2*. In Berlin C & Keats BJB (eds.), Genetics and Hearing Loss, Singular Publishing Group, San Diego, CA 2000.
14. **Lalwani AK**, Snow JB Jr. Disorders of Smell, Taste, and Hearing. In Braunwald E, Fauci AS, Kasper DL, Hauser SL, Longo DL, Jameson JL (eds.) Harrison's Principles of Internal Medicine, 15th Edition, McGraw Hill, New York, NY, 2001, pp 178-187.
15. Johnson J, **Lalwani AK**. Meniere's Disease, Vestibular Neuronitis, Paroxysmal Positional Vertigo and Nystagmus and Cerebellopontine Angle Tumors (Chapter 20). In Snow JB Jr and Ballenger JJ (eds) Ballenger's Otorhinolaryngology Head and Neck Surgery, 16th Edition, BC Decker, Hamilton, Ontario, Canada, 2003, pp. 408-442.
16. **Lalwani AK**. Excision of Less Extensive Glomus Tumors (Chapter 156). In Bailey BJ (ed.) Atlas of Head & Neck Surgery—Otolaryngology, 2nd Edition, Lippincott, Williams & Wilkins, Philadelphia, PA, 2001, pp. 422-423.
17. Pfister M, **Lalwani AK**. Genetics of Hearing Impairment. In press, in De La Cruz A and Arriaga MA (eds) Essential of Otology and Neuro-otology, W. B. Saunders, Philadelphia, PA, 2002.
18. **Lalwani AK**, Mhatre AN. Genetics in Otology and Neurotology. In Glasscock ME III and Gulya AJ (eds) Glasscock-Shambaugh Surgery of the Ear, 5th Edition, B. C. Decker Inc., Hamilton, Ontario, Canada, 2003, pp 121-135.
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22. **Lalwani AK**, Mafong DD. Olfactory Dysfunction (Chapter 8). In **Lalwani AK** (ed.) Lange Current Diagnosis and Treatment in Otolaryngology-Head & Neck Surgery, McGraw Hill, New York, NY, 2004, pp. 239-243.
23. **Lalwani AK**, Mafong DD. Sensorineural Hearing Loss (Chapter 51). In **Lalwani AK** (ed.) Lange Current Diagnosis and Treatment in Otolaryngology-Head & Neck Surgery, McGraw Hill, New York, NY, 2004, pp. 729-734.
24. **Lalwani AK**. The Aging Inner Ear (Chapter 52). In **Lalwani AK** (ed.) Lange Current Diagnosis and Treatment in Otolaryngology-Head & Neck Surgery, McGraw Hill, New York, NY, 2004, pp. 735-742.
25. Johnson J, **Lalwani AK**. Vestibular Disorders (Chapter 55). In **Lalwani AK** (ed.) Lange Current Diagnosis and Treatment in Otolaryngology-Head & Neck Surgery, McGraw Hill, New York, NY, 2004, pp. 761-770.
26. Johnson J, **Lalwani AK**. Acoustic Neuromas (Chapter 60). In **Lalwani AK** (ed.) Lange Current Diagnosis and Treatment in Otolaryngology-Head & Neck Surgery, McGraw Hill, New York, NY, 2004, pp. 815-824.
27. Johnson J, **Lalwani AK**. Nonacoustic Lesions of the Cerebellopontine Angle (Chapter 61). In **Lalwani AK** (ed.) Lange Current Diagnosis and Treatment in Otolaryngology-Head & Neck Surgery, McGraw Hill, New York, NY, 2004, pp. 825-832.
28. **Lalwani AK**. Neurofibromatosis Type 2 (Chapter 62). In **Lalwani AK** (ed.) Lange Current Diagnosis and Treatment in Otolaryngology-Head & Neck Surgery, McGraw Hill, New York, NY, 2004, pp. 833-837.
29. Driscoll CLW, Gluth MB, **Lalwani AK**. Cochlear Implants (Chapter 69). In **Lalwani AK** (ed.) Lange Current Diagnosis and Treatment in Otolaryngology-Head & Neck Surgery, McGraw Hill, New York, NY, 2004, pp. 937-947.
30. **Lalwani AK**, McGuire JF. Pharmacologic Treatment of the Cochlea and Labyrinth. In Cummings CW, Flint PW, Harker LA, Haughey BH, Richardson MA, Robbins KT, Schuller DE, Thomas JR (eds.) Cummings Otolaryngology—Head & Neck Surgery, 4th edition, Elsevier Mosby, Philadelphia, PA, 2005, pp. 2944-2976.

BOOKS

1. PEDIATRIC OTOTOLOGY AND NEUROTOLOGY. **Lalwani AK** and Grundfast KM (eds.). J. B. Lippincott Co., Philadelphia, PA, 1998.
2. CURRENT DIAGNOSIS & TREATMENT IN OTOLARYNGOLOGY – HEAD & NECK SURGERY. **Lalwani AK** (ed.). McGraw Hill, New York, NY, 2004.

AUDIO-DIGEST

1. **Lalwani AK.** Evaluating Pediatric SNHL. Audio-Digest Otolaryngology, 32(9), May 1, 1999.
2. **Lalwani AK.** Cochlear Implantation in Pediatric Patients. Audio-Digest Otolaryngology, 32(10), May 15, 1999.
3. **Lalwani AK.** Impact of Molecular Genetics on the Management of Ear Diseases. Audio-Digest Otolaryngology, 34(2), January 21, 2001.
4. **Lalwani AK.** Cochlear Implants: State of the Art. Audio-Digest Otolaryngology, 34(13), July 7, 2001.
5. **Lalwani AK.** Evaluation of Sensorineural Hearing Loss (SNHL). Audio-Digest Otolaryngology, 36(6), March 21, 2003.

INTERNET

1. **Lalwani AK.** The Genetics of Late-Onset hearing Impairment. DNA Sciences, Inc (www.dna.com), September 28, 2000.
2. **Lalwani AK.** Pediatric Sensorineural Hearing Loss. Resident Curriculum Module, American Academy of Otolaryngology—Head & Neck Surgery.

SUBMITTED

1. ---
2. ---

RESEARCH SUPPORT**CURRENT ACTIVE GRANT SUPPORT (PI: ANIL K. LALWANI, MD)**

National Institute on Deafness and Other Communication Disorders, NIH

\$1,250,000 July 1, 2002 – June 30, 2007

Title: *Role of Conventional Myosin MYH9 in Hearing*

\$--- January 1, 2004 - December 31, 2004

Title: *The Assessment of Neural Stem Cells as Therapeutic Vectors in the Mammalian Cochlea*

(PI: ---; co-PI: Anil K. Lalwani)

\$--- January 1, 2004 – December 31, 2004

Title: Genetic Influences on Cochlear Implant Outcome

(PI: Anil K. Lalwani, MD)

CURRENT RESEARCH FELLOWSHIP

\$--- July 1, 2004 – June 30, 2005

Title: *Molecular Genetics of Deafness* (---)Website: <http://www.camsociety.org/programs.htm>**PREVIOUS GRANT SUPPORT**

\$--- October 1994 - June 1995

Title: *Genetic Linkage Analysis of a Three Generation Family With Hereditary Cochleosaccular Degeneration*

\$---

November 1994 - June 1995

Title: *To Identify and Characterize Cell-Specific Proteins in the Mechano-Sensory Hair Cells of the Mammalian Inner Ear*

\$--- January 1995 - December 1995

Title: *Genetic Linkage Analysis of a Three Generation Family with Hereditary Cochleosaccular Degeneration*

\$--- January 1995 - December 1995

Title: *Identification and Characterization of Cell-Specific Proteins in the Mechano-Sensory Hair Cells of the Mammalian Inner Ear (PI: ---,--)*

\$--- January 1, 1995 - December 31, 1995

Title: *Genetic Linkage Analysis of a Three Generation Family with Hereditary Cochleosaccular Degeneration*

\$--- January 1995 - December 1997

Title: *Molecular Biology and Genetics of Deafness*

\$--- January 1, 1995 - December 31, 1995

Title: *Genetic Linkage Analysis of a Family with Cochleosaccular Degeneration*

\$--- April 1995 - September 1995

Title: *Development of Gene Therapy for Hearing Disorders*

\$--- July 1995 - June 1996

Title: *Linkage Analysis of a Three Generation Family with Schiebe Degeneration*

\$--- January 1, 1996 - December 31, 1996

Title: *Stability and Safety of Adeno-Associated Virus as a Transfection Vector Following In Vivo Introduction Into Cochlea of Guinea Pig*

\$--- July 1, 1996 - June 30, 1997

Title: *Familial Unilateral Acoustic Neuroma: A New Syndrome or a Variable Expression of Neurofibromatosis Type II? (PI: ---, --)*

\$--- July 1, 1996 - June 30, 1997

Title: *The Efficacy of Direct and Adeno-associated Virus Mediated Introduction of NT-3 in Preventing Neural Degeneration Following Aminoglycoside-Induced Ototoxicity in the Guinea Pig (PI: ---, ---)*

\$--- November 1996 - June 1997

Title: *Characterization of Water Channels in the Cochlea*

\$--- January 1, 1997 - December 31, 1997

Title: *Characterization of the Mammalian Inner Ear Water Channel*

\$--- January 1, 1998 - December 31, 1998

Title: *Characterization of Cationic Liposomes as Gene Transfer Vectors in Cochlear Gene Therapy Studies (PI: ---; Co-PI: Anil K. Lalwani, MD)*

\$--- January 1, 1998 - December 31, 1998

Title: *Expression, Regulation and Physiological Function of Aquaporin 2 and Vasopressin V2 Receptor in the Inner Ear (PI: --- Co-PI: Anil K. Lalwani, MD)*

\$--- January 1, 1997 - December 31, 1999

Title: *Laboratory of Molecular Genetics Research Grant*

\$--- January 1, 1997 - December 31, 1999

Title: *UCSF Pediatric Cochlear Implant Program*

\$--- January 1, 1999 – December 31, 1999

Title: *Connexin 26 Mutations Responsible For Non-Syndromic Hearing Loss: In Vitro and In Vivo Characterization (PI: --- Co-PI: Anil K. Lalwani, MD)*

\$--- January 22, 1999 – January 21, 2000

Title: *Development and Characterization of an Animal Model with Connexin 26 (Cx26) Dysfunction (PI: ---; Co-PI: Anil K. Lalwani, MD)*

\$--- January 1, 2000 – December 31, 2000

Title: *Mouse Knockouts of AQP1 and AQP4: Model Systems for Assessing Contribution of AQP1 and 4 to the Auditory Function and Therapeutic Efficacy of Cochlear Gene Transfer (PI:---; Co-PI: Anil K. Lalwani, MD)*

\$--- January 1, 2000 – December 31, 2000

Title: *Stability, Safety, and Efficacy of Lentivirus Mediated Transgene Expression in the Cochlea (PI: Anil K. Lalwani, MD; Co-PI: ---)*

\$--- July 1, 1999 – June 30, 2000

Title: *Aquaporin-5 in the Inner Ear: Expression and Potential Role in Hearing (---)*

\$--- July 1, 2000 – June 30, 2001

Title: *Ear Development in Two Mouse Models of Cleidocranial Dysplasia (PI: ---)*

National Institute on Deafness and Other Communication Disorders, NIH

\$569,985 July 1, 1996 - June 30, 2001

Title: *Molecular Genetics of and Gene Therapy for Deafness (K08 DC00112)*

\$--- January 22, 2000 – January 21, 2001

Title: *Genetic Linkage Analysis of a Five Generation Family with Autosomal Dominant Hereditary Hearing Loss (PI: ---; Co-PI: Anil K. Lalwani, MD)*

\$--- January 1, 2001 – December 31, 2001

Title: *Characterization of Prion Protein (PrP) Induced Hearing Loss and its Pathophysiology in Transgenic Mice (PI:---; Co-PI: Anil K. Lalwani, MD)*

\$--- January 1, 2001 – December 31, 2001

Title: *Characterization of Prion Protein (PrP) Induced Hearing Loss and its Pathophysiology in Transgenic Mice (PI:---; Co-PI: Anil K. Lalwani, MD)*

\$--- January 1, 2001 – December 31, 2001

Title: *Identification and Characterization of Genes for Non-syndromic Hearing Impairment (PI:---)*

\$--- January 1, 2000 - December 31, 2002

Title: *Laboratory of Molecular Genetics Research Grant*

\$--- January 1, 2000 - December 31, 2002

Title: *UCSF Pediatric Cochlear Implant Program*

\$--- January 1998 - December 2002

Title: *Molecular Biology and Genetics of Deafness*

\$--- January 1, 2002 – December 31, 2002

Title: *Non-Muscle Myosin MYH9 and its Mutant MYH9-R705 in Hearing and its Dysfunction*

\$--- January 1, 2001 – December 31, 2002

Title: *Identification and Characterization of Genes for Non-Syndromic Hearing Impairment***PREVIOUS STUDENT FELLOWSHIPS**

\$--- July 1, 1996 - June 30, 1997

Title: *Application of Intracochlear Gene Therapy to Prevent Spiral Ganglion Loss Following Ototoxic Insult Using Adeno-Associated Virus Containing Neurotrophin-3 (---, Medical Student, ---)*

\$--- July 1, 1996 - June 30, 1997

Title: *The Efficacy of NT4/5 Polypeptide and NT4/5 Gene Integrated Into an AAV Transfection Vector in Preventing Neural Degeneration Following Aminoglycoside-Induced ototoxicity in the Guinea Pig (---, Medical Student, ---)*

\$--- July 1, 1997 - June 30, 1998

Title: *Characterization of Aquaporin-4 (AQP-4) Within the Mammalian Inner Ear and Determination of Physiologic Role in Hearing and Balance (---, Medical Student, ---)*

\$ --- July 1, 1996 - June 30, 1997

Title: *Genetic Linkage Analysis of a Three Generation Family With Autosomal Dominant Progressive Low Frequency Sensorineural Hearing Impairment* (---, Medical Student, UCSF)

\$--- July 1, 1998 - June 30, 1999

Title: *Genetic Linkage Analysis of a Three Generation Family With Autosomal Dominant Progressive Low Frequency Sensorineural Hearing Impairment* (---, Medical Student, ---)

\$--- July 1, 1999 - June 30, 2000

Title: *Candidate Gene Analysis for DFNA17* (---, Medical Student, ---)

\$--- June 2002 - August 2002

Title: *Role of Water Channels in Meniere's Disease* (---, Medical Student, ---)

\$--- August 1, 2003 to July 31, 2004

TITLE: *Stem cell mediated neurtotrophin gene therapy in the cochlea* (---, --; Total Award \$--- over 4 years)

\$--- July 1, 2003 - June 30, 2004

Title: *Analysis of a Transgenic Mouse Model to Study the Ototoxic mechanism of the Anti-Neoplastic Drug Cisplatin* (---, Medical Student, ---)